

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1 – 6 (cancelled)

Claim 7 (currently amended): A method for revamping a combined system consisting of a blast furnace supplied with oxidizing fluid issuing at least partially from an air gas separation unit (ASU), wherein more than 50% of the flow from the blower feeding the blast furnace before revamping is injected into a cryogenic air gas separation unit in order to produce oxygen with a purity above 90% by volume of O₂, the blast furnace feed fluid consisting of pure oxygen or oxygen diluted with air produced by the cryogenic separation unit, said oxygen of purity above 90% by volume of O₂ being fed to the blast furnace in order to obtain over 90% by volume of of O₂ in the blast furnace feed fluid, the blower air flow rate and/or pressure of the air issuing from the blower being controlled by a controller which measures this flow rate and/or pressure at the inlet and/or outlet of the air cleaning stage, placed upstream of the separation unit, in order to control the flow rate or pressure of the air issuing from the blower, ~~the blast furnace feed fluid consisting of pure oxygen or oxygen diluted with air produced by the cryogenic separation unit.~~

Claim 8 (original): The method of claim 7, wherein the blower flow rate is controlled by a controller of which the setpoint is calculated from the flow rate and/or pressure characteristics of at least one of the fluids produced by the ASU.

Claim 9 (original): The method of claim 7, wherein the air issuing from the blower is cooled to a temperature below 50°C before being recompressed in a second compressor.

Claim 10 (original): The method of claim 7, wherein the blower is controlled using a FIC controller of which the measurement and setpoint derive from one of the fluids produced by the ASU.

Claim 11 (original): The method of claim 7, wherein the blower is controlled by a PIC controller of which the flow rate or pressure measurement and of which the setpoint value are determined from the fluid entering the second compressor.

Claim 12 (original): The method of claim 9, wherein the second compressor is controlled by a FIC controller, the measured parameters and setpoint issuing from the flow rate and/or pressure measurement of the ASU.